HANNspree, Inc.
2F, No.362, Jui-Kuang Rd., Neihu District,
Taipei City 114, Taiwan, R.O.C.
TEL: 886-2-87520000
FAX: 886-2-87527092
www.hannspree.com

NTSCTVTWEN1203
MAC-001141
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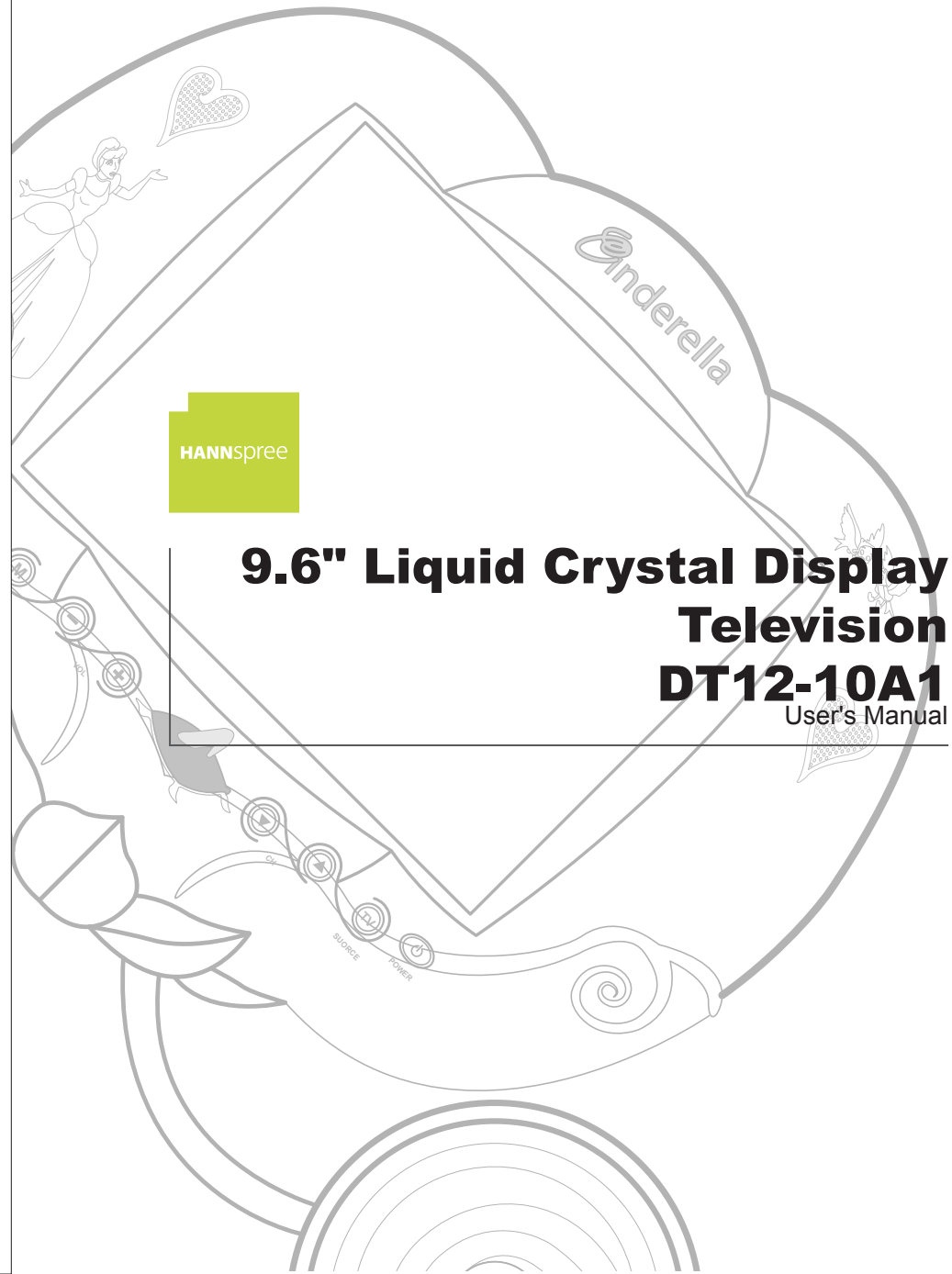

9.6" Liquid Crystal Display Television
DT12-10A1
User's Manual

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1 Warranty and Service

The instructions on this manual are for the model(s) listed on the front cover. Before you start reading, check your product number by looking at the rear of your TV.

Thank you for purchasing our Liquid Crystal Display Television (LCD TV). With this product, you will be able to enjoy superior audio and video while enriching your lifestyle with advanced technology.

The Hannspree TV is warranted for one year limited service from the date the product is received (as shown on the Warranty and Service Manual); please refer to the “Warranty and Service Manual” for the detailed warranty information.

Hannspree provides complete service information in the included “Warranty and Service Manual”, or directly from Hannspree global customer service center. Our service representatives will be very happy to serve you to your satisfaction.

Hannspree global customer service center telephone number:

From Taiwan please call 0800-008-800

The Hannspree e-mail address:

service@hannspree.com

2 Preface

This manual is designed to assist users in setting up and using the LCD TV. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice.

Copyright

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3 Description of Warning Symbols

Warning	Caution
This symbol is used to remind users to pay attention to important descriptions regarding usage and maintenance (repair) or additional important information related to this product.	This symbol is used to remind users to pay attention to the danger of electric shocks due to dangerous internal non-insulated components.

Electric Power Notice

Electric power may cause personal injury and mechanical damage if it is misused. Although safety has been taken into consideration during the design and production of this product, electric shock or fire can result when the product is misused. To prevent potential danger, follow the instructions below when installing, operating and cleaning the product. In addition, read the following “Safety Notices” carefully before using the product to ensure that your TV is safe and long-lasting.

4 Safety Notices

Power Supply Safety Notes

1. To avoid electric shocks, do not use an extended power cord or an outlet that does not match this product's plug or leaves the plug exposed.
2. This product has a 3-pin grounded plug. The third pin connects to ground; do not remove it.
3. If the power cord or plug is damaged or worn, unplug it immediately and contact a qualified service technician for maintenance.
4. To avoid fire or electric shocks, do not overload electric power outlets.

Installation Safety Notes

Antenna

We suggest that you use an outdoor antenna to get the best signal possible unless you have cable TV or a centralized indoor antenna system. You may, however, use an antenna indoors if it is placed in a location free from interference.

Location

Avoid allowing the TV to get prolonged exposure to sunlight or other strong sources of heat. Leave sufficient distance between the TV and the wall to provide enough space for the emission of heat.

Before You Proceed

1. Read the Safety Notices and the User's Manual carefully before turning the product on.
2. Keep your User's Manual in a safe place for future reference. Keep the box and packaging in case the product needs to be shipped in the future.
3. Follow the product and warning label instructions.
4. Any changes or modifications that do not follow the instructions in this manual will void this product's warranty.

Warning

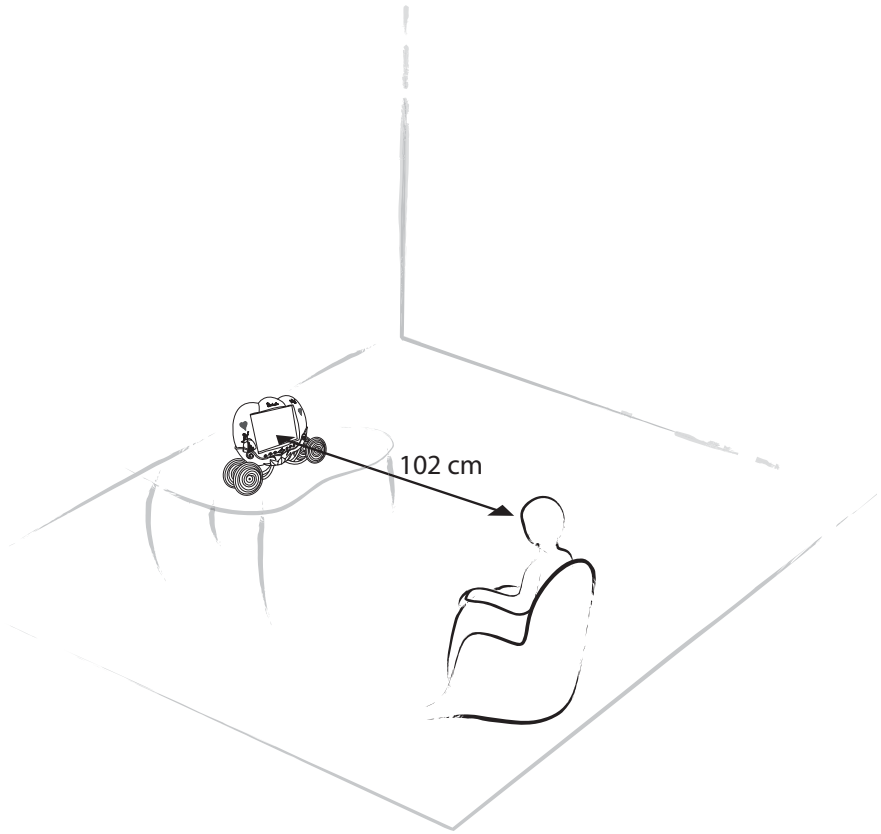
To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

Power

To avoid danger of fires or electric shock, make sure that you use a proper adapter. The TV is compatible with the following adapters:

- EDAC POWER ELECTRONICS CO., LTD.: EA 1050E-120
- LI SHIN INTERNATIONAL ENTERPRISE CORP.: 0217B1240

Optimal Viewing Distance



Important Safety Instructions

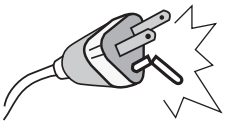
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.

5. Do not use this apparatus near water.

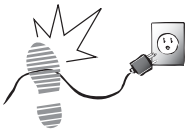
6. Clean only with a dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



9. Do not defeat the safety purpose of the polarized or grounding-type plug: A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



10. Protect the power cord from being walked on or pinched particularly at the plug, convenience receptacles, and the point where they exit from the apparatus.

11. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

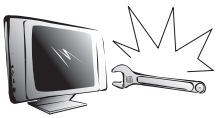
12. Only use attachments/accessories specified by the manufacturer.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as if the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Personal Safety

To avoid overloading the power supply, do not plug too many electrical devices into an outlet or extension cable.



Dangerous high-voltage electric power components are located inside the TV. To avoid electric shock, do not disassemble the casing.

Do not place or drop metals, small objects, or flammable materials in the vent to avoid an electric shock or a fire.

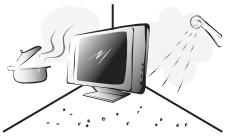
If the TV is dropped, falls down, or is otherwise damaged, unplug the power cord immediately and notify a qualified service technician.

If any fluid is sprayed or dropped into the TV, remove the power plug immediately and notify a qualified service technician.

The screen of the TV is made of glass, be careful to avoid hitting or scraping it. If the screen is broken, avoid cutting yourself on the broken glass.

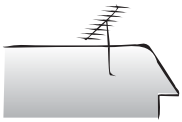
Do not allow children to use the TV unattended to avoid accidents caused by improper operation.

Installation



To avoid damage to power circuits, do not place the TV in locations where there is excessive steam or dust.

Do not place the TV on a bed, sofa, carpet, or in a sealed cabinet to avoid blocking the product's vents.



Install the outdoor antenna far from power transmission lines to avoid possible danger.

Remove the power cord and antenna connector when there is a storm or when the TV is not in use for a long period to avoid electric shock from lightning.

Operation

This product is designed for power sources as labeled on the casing. Avoid using any other power accessories to avoid electric shock or other damage.

The plug can be inserted into an outlet in only one direction. Notify a qualified service technician if you cannot plug it in correctly.

If there is any problem that cannot be resolved according to the instructions given in this manual, notify a qualified service technician immediately. Do not attempt any methods not covered in this manual.

Maintenance

Do not attempt to repair the TV by yourself. Notify a qualified service technician. Ask the service technician to complete a safety inspection before switching the power on after completing any maintenance.

5 Regulatory Information

FCC Compliance Statement[1]

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Warning: A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to nearby radio and television reception. It is essential that only the supplied power cord be used. Use only shielded cables to connect I/O devices to this equipment. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

1. applies only to products purchased in the United States of America

DOC Compliance Notice[1]

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.This device complies with Canada ICES-003 Class B.

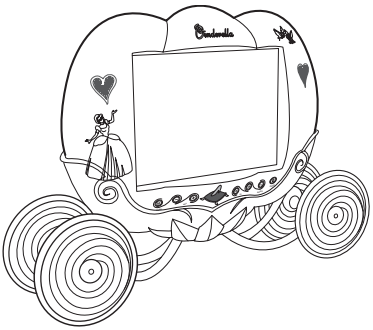
CE Conformity Statement[2]

This device complies with the requirements set out in the Council Directive on the approximation of the Laws of the Member States relating to Electromagnetic Compatibility (89/336/EEC) and the Amendment Directive (92/31/EEC), Low-Voltage Directive (73/23/EEC) and the Amendment Directive (93/68/EEC).

1. applies only to products purchased in Canada
2. applies only to products purchased in the European Union

6 Introducing the TV

Thank you for purchasing this Liquid Crystal Display TV. Your LCD TV is designed to be safe, versatile, and easy to use. The design of the product is featuring "Disney Princess, Cinderella", which makes it a fun addition to any room.



You can watch broadcast or cable television channels, and easily connect a VCR, VCD or DVD player to the standard RCA and S-Video input ports located at the rear of the unit.

Convenient control buttons located on the front panel let you change channels, adjust the volume, and change display settings through an easy-to-use on-screen menu system. The built-in stereo speakers provide full rich sound and a convenient audio output port lets you connect to an external audio system or headphones.

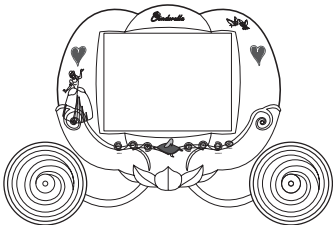
Features

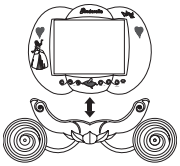
- 9.6-inch color TFT LCD TV
- Safe, sturdy construction
- Built-in TV tuner
- Audio/video support:
  - Stereo audio inputs
  - Composite video inputs
  - S-Video input
  - 3.5 mm stereo headphone output
- On-Screen Display (OSD) menu system
- MTS bilingual channel support
- Built-in 3W+3W speakers

7 Checking Package Contents

Make sure the following components are included in the box. Contact your vendor immediately if anything is missing or damaged.

TV



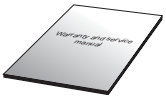


Place the LCD TV into the carriage as shown.

User's Manual

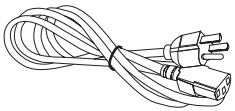
Quick Start Guide

Warranty and Service Manual

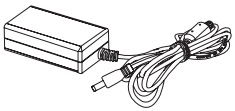


Wire Material Package

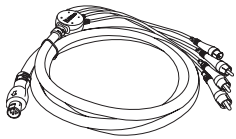
Power Cord



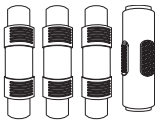
Power Adapter



4-IN-1 Cable

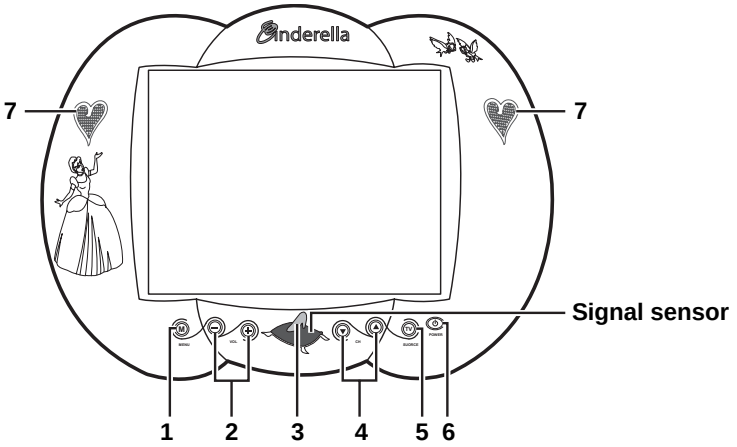


RCA Jack x 3
S Jack x 1



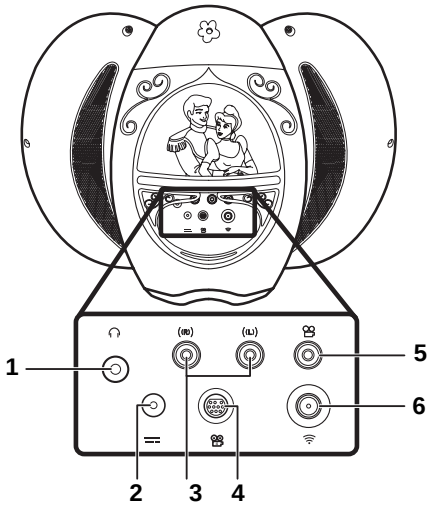
8 Getting to Know Your TV

Front View



	Description	Function
1	Menu	Turns the On-Screen Display (OSD) menus on and off.
2	Adjust volume	Press **VOL +** to increase the volume. Press **VOL –** to decrease the volume.
3	Power LED	Green LED indicates power on.
4	Select channel	Changes the channel. Press **CH ▲** to increase the channel number. Press **CH ▼** to decrease the channel number.
5	Source	Selects the input source to be displayed (TV, AV1, or AV2).
6	Power	Turns the TV on and off.
7	Stereo speakers	Play audio content.

Input and Output Ports

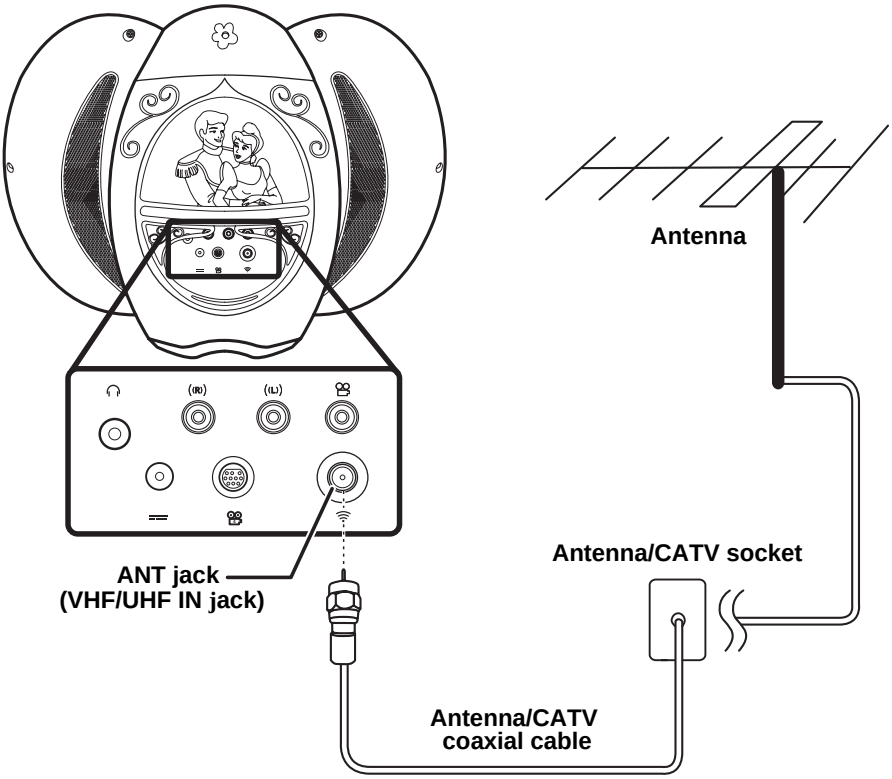


	Description	Function
1	Headphone line out	Connects to headphones or other audio device.
2	DC-IN	Connects to the included power adapter.
3	Left and right audio in (of AV1)	Connects to VCR/VCD/DVD player CVBS RCA left and right audio cables (white and red).
4	AV2	Connects to the included 4-IN-1 cable.
5	Video in (of AV1)	Connects to VCR/VCD/DVD player CVBS RCA video cable (yellow).
6	Antenna/cable TV line in	Connects to an antenna or CATV cable television line.

Connecting to an Antenna/Cable TV

1. Connect one end of the VHF/UHF (Antenna) or CATV cable to ANT Jack (VHF/UHF IN Jack) on the back of the TV.

2. Connect the other end of the VHF/UHF (Antenna) or CATV cable to the Antenna socket or CATV cable.



Note

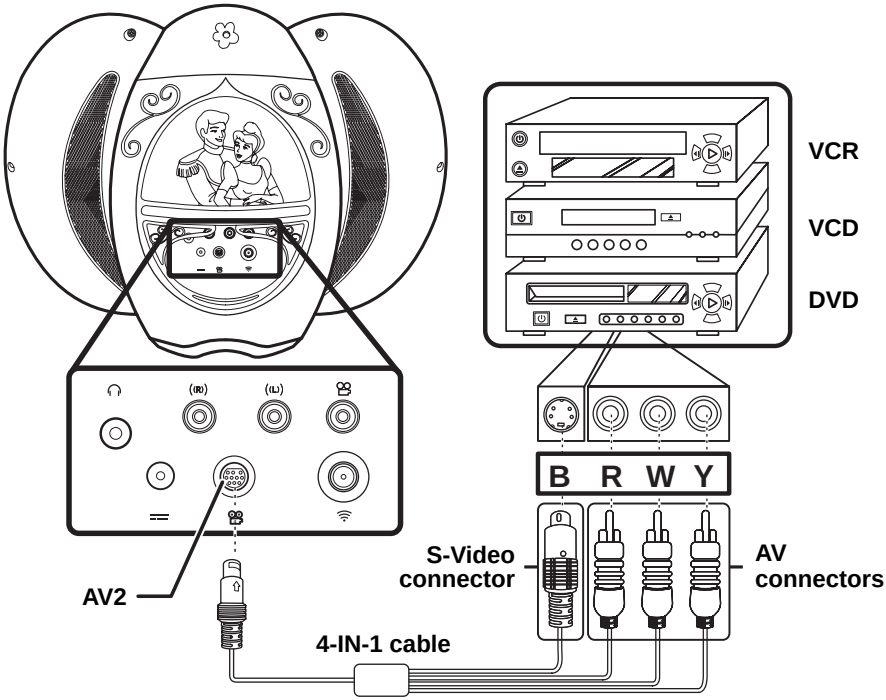
If you cannot receive channels after connecting an antenna or cable TV line, try scanning for channels. See “Auto Program” on page 44.

Connecting to AV Devices

Connect external devices such as VCD/DVD players or VCRs to the TV using the AV1 and AV2 ports on the back of the TV.

Connecting to a VCR, VCD or DVD Player

The illustration presented here shows how to connect your TV to a VCR, VCD or DVD player. Actual connections vary according to the make and model of the device.

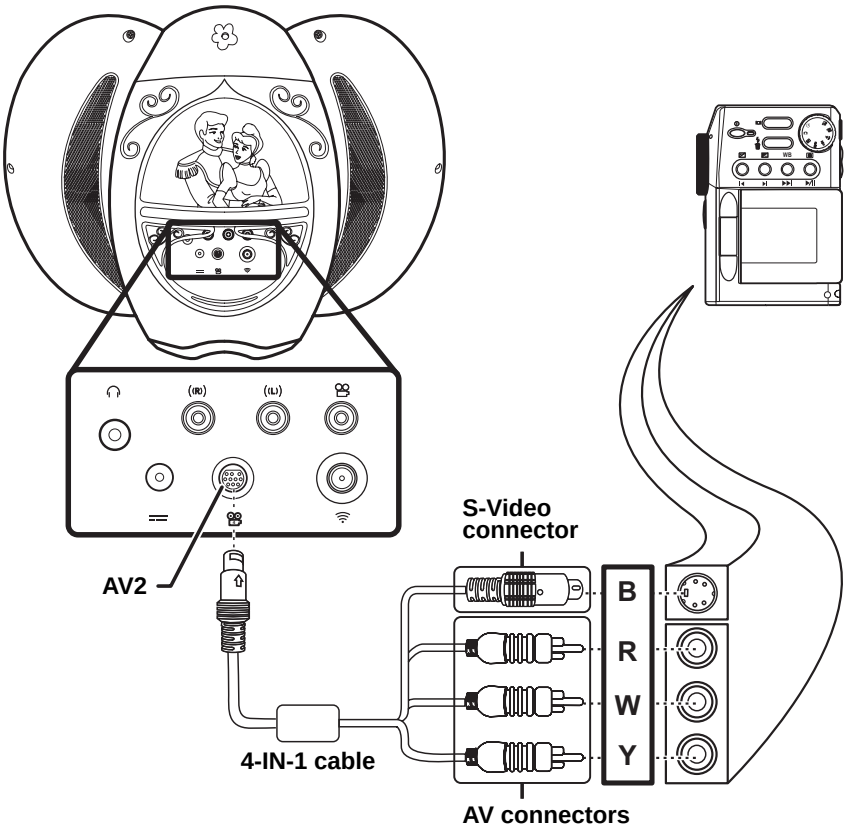


Note

The cables are color-coded (black, red, white, yellow). Connect each color-coded cable to the appropriate connector on your device.

Connecting to a Video Camera

The illustration presented here shows how to connect your TV to a camcorder or other type of digital camera. Actual connections vary according to the make and model of the device.

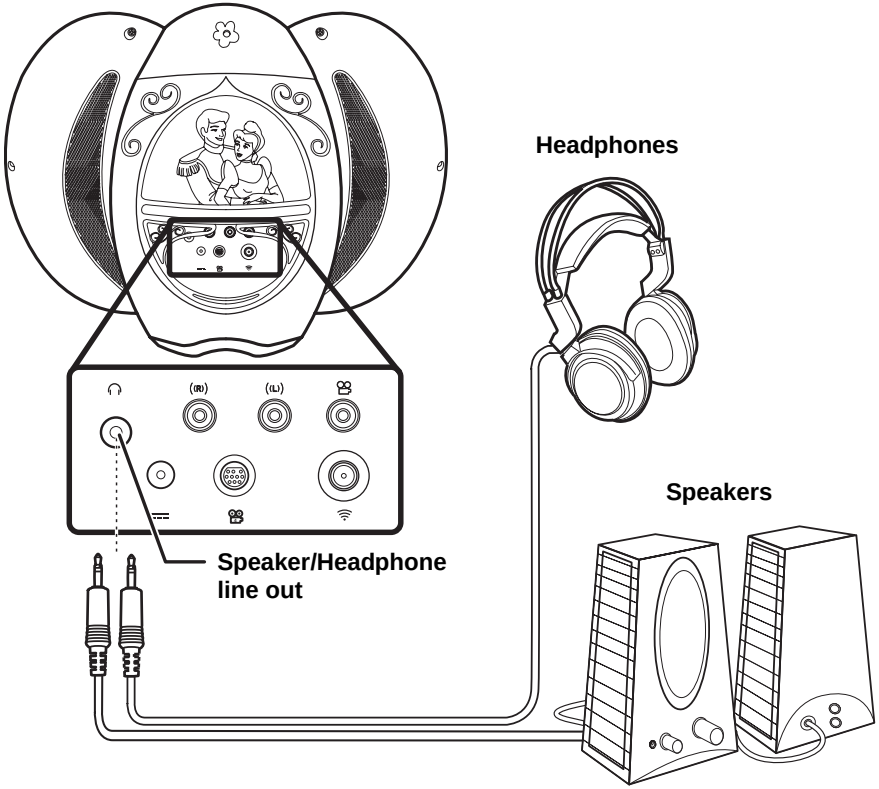


Note

The cables are color-coded (black, red, white, yellow). Connect each color-coded cable to the appropriate connector on your device.

Connecting External Speakers and Headphones

Headphones or external speakers may be used to listen to the TV instead of the built-in speakers. Connect your headphones to the speaker/headphone line out port as illustrated.



Notes

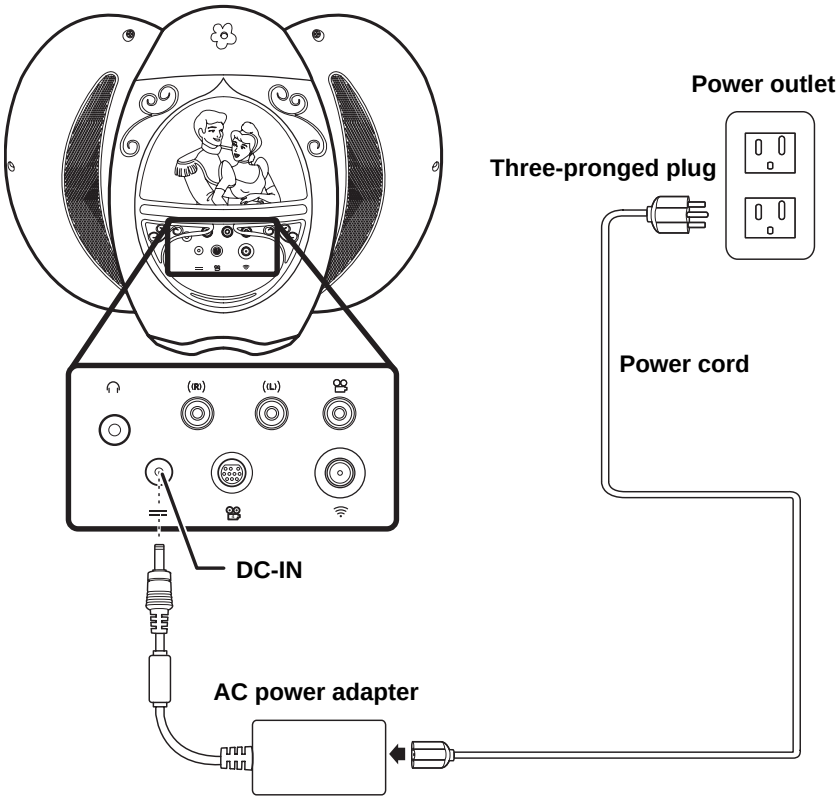
- **External speakers or headphones are not included with the product.**
- **The internal TV speakers will not output sound when headphones are plugged in.**
- **Use external speakers with amplifiers only.**

Connecting the Power Adapter

1. Connect the power cord to the power adapter as illustrated.

2. Plug the power adapter connector into the DC-IN on the rear panel of the TV.

3. Insert the three-pronged plug at the other end of the power cord into a power outlet.

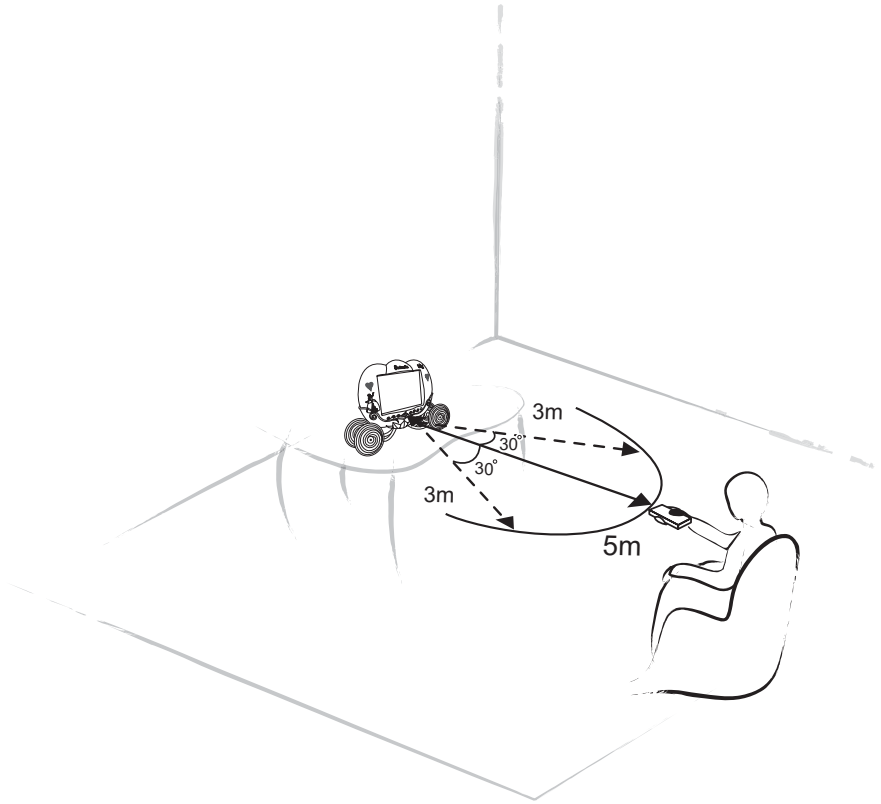


Refer to the "Power Supply Safety Notes" on page 6.

10 Using the TV

Using the Remote Control

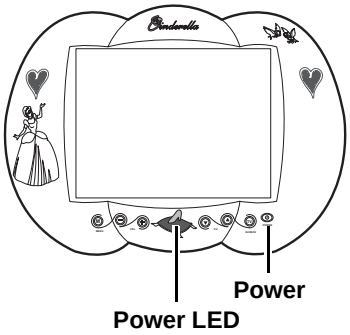
For best results, use the remote control within a distance of 5 meters from the front of the TV's signal sensor. Do not exceed an angle of 30 degrees when pointing at the signal sensor. Refer to the following illustration.



Turning the TV On and Off

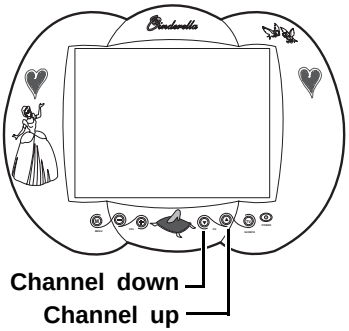
1. Press the **POWER** button; the power indicator LED changes from red to green, indicating that the power has been turned on.

2. Press the **POWER** button again; the power indicator LED changes from green to red, indicating that the TV is in stanby (off) mode.



Selecting Channels

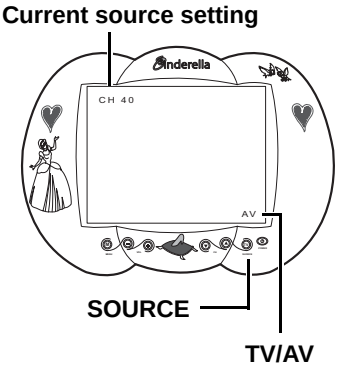
Press **CH UP** and **CH DOWN** on the control panel to select the channel or enter the specific channel number by pressing the number buttons on the remote control.



Switching Source Signals

Press the **SOURCE** button on the remote control or the **SOURCE** button on the control panel to select the incoming source signal.

The current source setting CH xx appears on the top left corner of the screen; AV1 or AV2 appears on the bottom right corner of the screen.



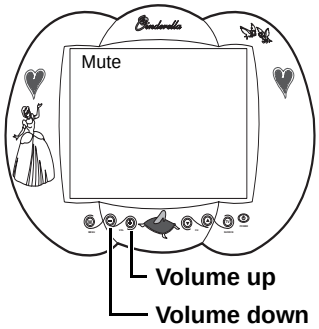
Note:

The TV supports S-Video input in addition to normal video and audio signals. The TV detects the signal type automatically and gives priority to S-video when two signals are detected at the same time. This auto detection function is only available for AV2.

Adjusting the Volume

Press the **VOL UP** button to increase the volume. Press the **VOL DOWN** button to decrease the volume. The volume level is displayed on the TV.

Press the **MUTE** button on the remote control to turn the sound off. The word “Mute” appears on the top left corner of the screen and sound is temporarily turned off.



Press the **MUTE** button on the remote control or press the **VOL UP** button or **VOL DOWN** button to restore the original volume.

11 Adjusting On-Screen Display (OSD) Settings

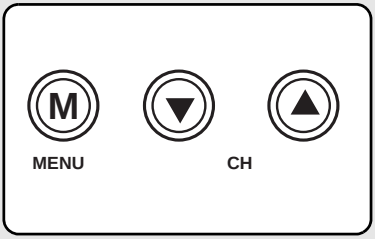
The On-Screen Display (OSD) menu system provides a quick and simple method to adjust your TV's settings. This chapter describes how to change each of the available settings.

The OSD can be used with either the remote control or the front control panel.

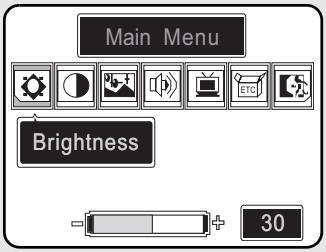
Button Description	Control Panel
MENU	MENU
CH UP	CH ▲
CH DOWN	CH ▼
ENTER	MENU

The following sections explain how to adjust settings in the OSD menus with the control panel.

OSD Setting Menus

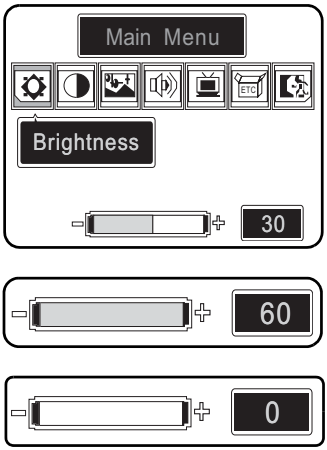


Press the **MENU** button to enter OSD Main Menu screen.



The Main Menu appears.

Brightness



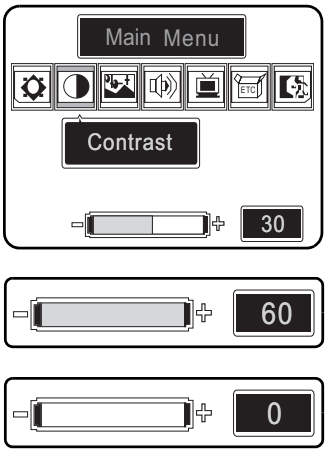
1. Press **MENU** to enter the OSD menus.
2. Press the **CH DOWN** button or **CH UP** button to select Brightness.
3. Press **MENU**. The brightness slide bar is highlighted.
4. Press the **CH UP** button to increase the brightness.
5. Press the **CH DOWN** button to decrease the brightness.
6. Press **MENU** to confirm the setting and return to the Main menu.

Note

The new setting is confirmed automatically when the OSD times out.

	MAX	MID	MIN
BRIGHTNESS	60	30	0

Contrast



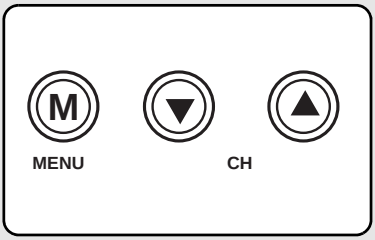
1. Press **MENU** to enter the OSD menus.
2. Press the **CH DOWN** button or **CH UP** button to select Contrast.
3. Press **MENU**. The contrast slide bar is highlighted.
4. Press the **CH UP** button to increase the contrast.
5. Press the **CH DOWN** button to decrease the contrast.
6. Press **MENU** to confirm the setting and return to the Main menu.

Note

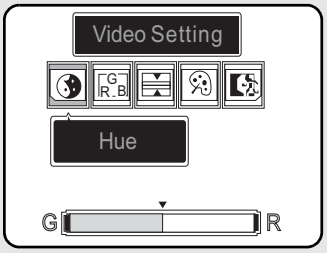
The new setting is confirmed automatically when the OSD times out.

	MAX	MID	MIN
CONTRAST	60	30	0

Video Setting



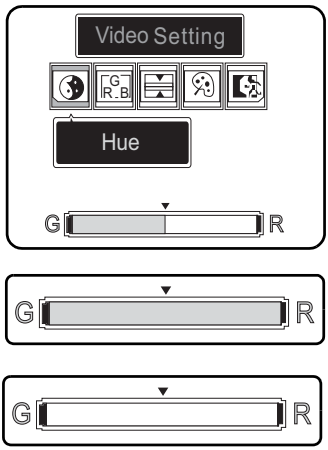
Press the **MENU** button enter OSD Main Menu screen.



1. Press the **CH DOWN** button or **CH UP** button to select Video Setting.

2. Press **MENU** to enter the Video Setting menu.

Hue

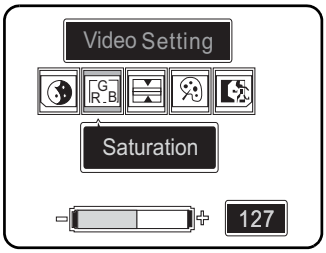


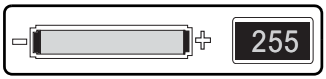
1. Press the **CH DOWN** button or **CH UP** button to select Hue.
2. Press **MENU** to enter the Hue sub-menu.
3. Press the **CH UP** button to increase green and decrease red.
4. Press the **CH DOWN** button to decrease green and increase red.
5. Press **MENU** to confirm the setting and return to the Video Setting menu.

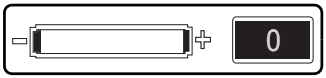
Note

The new setting is confirmed automatically when the OSD times out.

Saturation







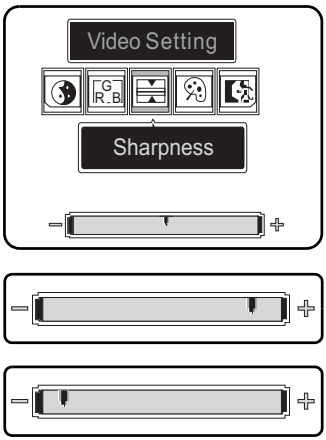
1. Press the **CH DOWN** button or **CH UP** button to select Saturation.
2. Press **MENU** to enter the Saturation submenu.
3. Press the **CH UP** button to increase the saturation.
4. Press the **CH DOWN** button to decrease the saturation.
5. Press **MENU** to confirm the setting and return to the Video Setting menu.

Note

The new setting is confirmed automatically when the OSD times out.

	MAX	MID	MIN
SATURATION	255	127	0

Sharpness

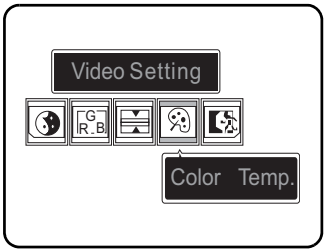


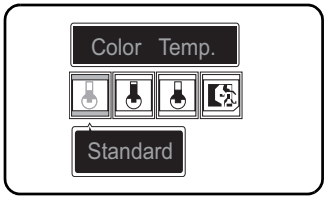
1. Press the **CH DOWN** button or **CH UP** button to select Sharpness.
2. Press **MENU** to enter the SHARPNESS submenu.
3. Press the **CH UP** button to increase the sharpness.
4. Press the **CH DOWN** button to decrease the sharpness.
5. Press **MENU** to confirm the setting and return to the Video Setting menu.

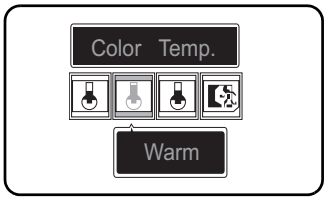
Note

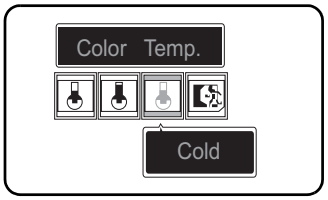
The new setting is confirmed automatically when the OSD times out.

Color Temperature









1. Press the **CH DOWN** button or **CH UP** button to select Color Temp.
2. Press **MENU** to enter the Color Temperature submenu. There are three default color temperatures to choose from.

Standard Color

Press the **CH DOWN** button or **CH UP** button to select Standard, then press **MENU**.

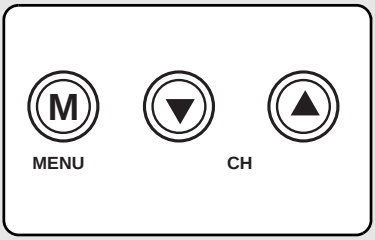
Warm Color

Press the **CH DOWN** button or **CH UP** button to select Warm, then press **MENU**.

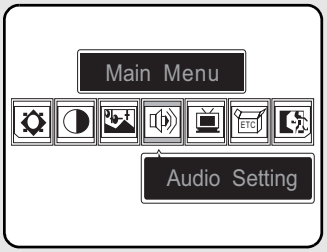
Cold Color

Press the **CH DOWN** button or **CH UP** button to select Cold, then press **MENU**.

Audio Setting



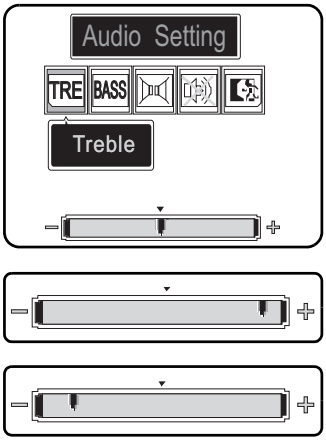
Press the **MENU** button enter OSD Main Menu screen.



1. Press the **CH DOWN** button or **CH UP** button to select Audio Setting.

2. Press **MENU** to enter the Audio Setting menu.

Treble

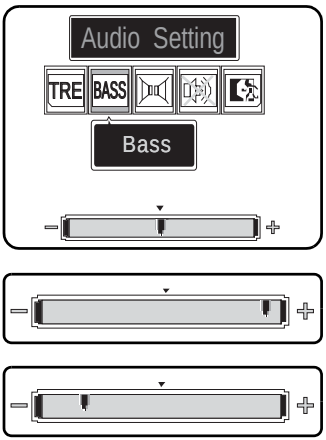


1. Press the **CH DOWN** button or **CH UP** button to select Treble.
2. Press **MENU** to enter the treble sub-menu.
3. Press the **CH UP** button to increase the treble.
4. Press the **CH DOWN** button to decrease the treble.
5. Press **MENU** to confirm the setting and return to the Audio Setting menu.

Note

The new setting is confirmed automatically when the OSD times out.

Bass

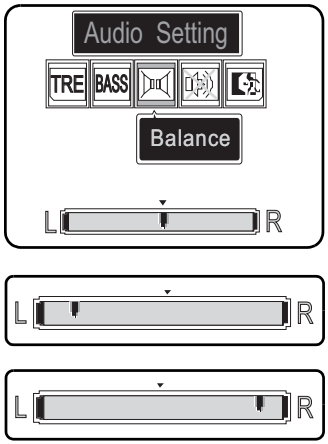


1. Press the **CH DOWN** button or **CH UP** button to select Bass.
2. Press **MENU** to enter the Bass sub-menu.
3. Press the **CH UP** button to increase the bass.
4. Press the **CH DOWN** button to decrease the bass.
5. Press **MENU** to confirm the setting and return to the Audio Setting menu.

Note

The new setting is confirmed automatically when the OSD times out.

Balance



1. Press the **CH DOWN** button or **CH UP** button to select Balance.

2. Press **MENU** to enter the Balance submenu.

3. Press the **CH DOWN** button to shift the balance to the left speaker.

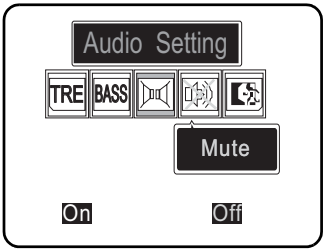
4. Press the **CH UP** button to shift the balance to the right speaker.

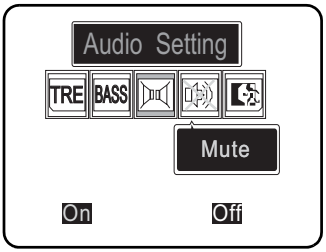
5. Press **MENU** to confirm the setting and return to the Audio Setting menu.

Note

The new setting is confirmed automatically when the OSD times out.

Mute



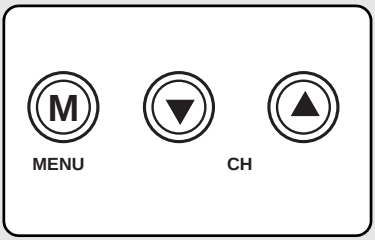


1. Press the **CH DOWN** button or **CH UP** button to select Mute.
2. Press **MENU** to enter the Mute sub-menu.
3. Press the **CH UP** button to turn the mute off.
4. Press the **CH DOWN** button to turn the mute on.
5. Press **MENU** to confirm the setting and return to the Audio Setting menu.

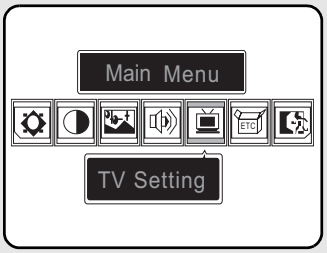
Note

The new setting is confirmed automatically when the OSD times out.

TV Setting



Press the **MENU** button enter OSD Main Menu screen.

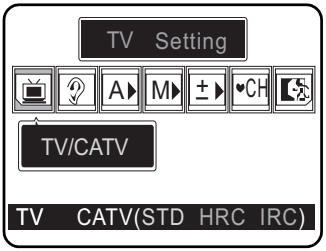


1. Press the **CH DOWN** button or **CH UP** button to select TV Setting.
2. Press **MENU** to enter the TV Setting menu.

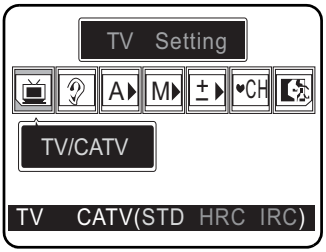
Note

The setting menu is available when current select source is TV.

TV/CATV

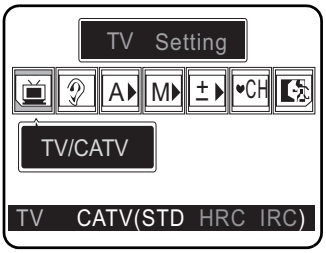


1. Press the **CH DOWN** button or **CH UP** button to select TV/CATV.
2. Press **MENU** to enter the TV/CATV submenu.



Receiving Cable TV

Press the **CH UP** button to select CATV, then press **MENU**.

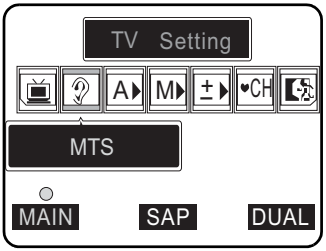


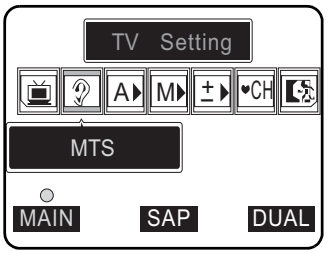
Receiving Broadcast TV

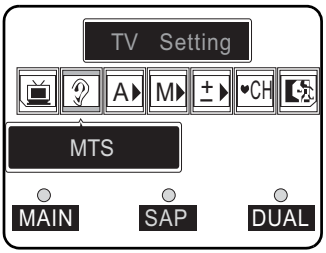
Press the **CH DOWN** button to select TV, then press **MENU**.

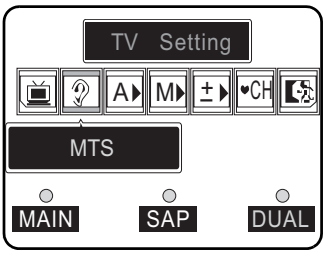
Note
The default TV setting is “CATV”.

MTS









1. Press the **CH DOWN** button or **CH UP** button to select MTS.
2. Press **MENU** to enter the MTS sub-menu. Select from the following options.

MAIN

Press the **CH DOWN** button or **CH UP** button to select MAIN. A green dot appears and MAIN is highlighted in yellow. Press **MENU** again to confirm the selection.

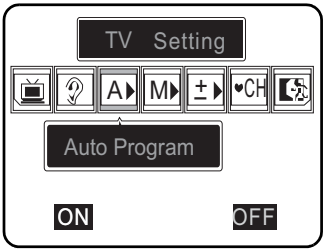
SAP

Press the **CH DOWN** button or **CH UP** button to select SAP. Press **MENU** again to confirm the selection. If a green dot does not appear, then your service provider doesn't support SAP.

DUAL

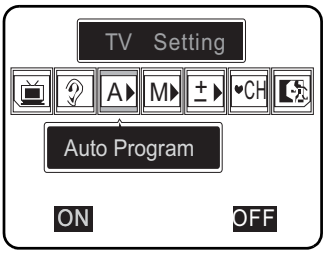
Press the **CH DOWN** button or **CH UP** button to select DUAL. Press **MENU** again to confirm the selection. One speaker plays the main audio signal and the other speaker plays the alternate audio signal.

Auto Program

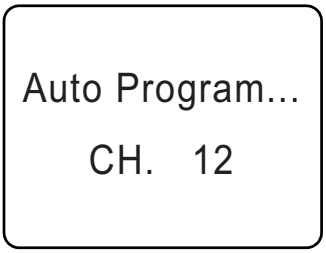


1. Press the **CH DOWN** button or **CH UP** button to select Auto Program.

2. Press **MENU** to enter the Auto Program Setting submenu.



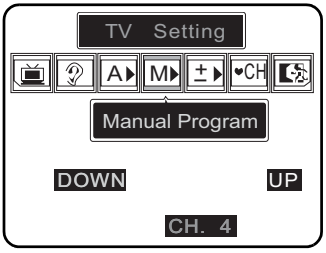
3. Press the **CH DOWN** button or **CH UP** button to select ON or OFF and press **MENU**.

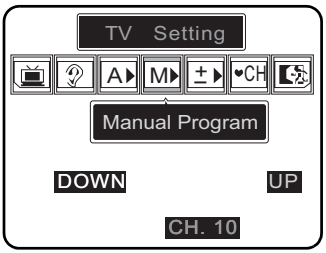


The screen shows “Auto Program...” and the channel indicator increments from 2 to 69 (ANT connection) or from 1 to 125 (CATV cable connection).

The screen displays the first channel that is successfully found after scanning is complete.

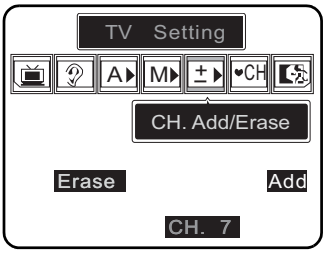
Manual Program





1. Press the **CH DOWN** button or **CH UP** button to select “Manual Program”.
2. Press **MENU** to enter the Manual Program submenu.
3. Press the **CH DOWN** button and the **CH DOWN** button to find the channel you want to add. Press **MENU** to select the channel
4. Press **MENU** to exit, and then access **Channel Add/Erase** function to add a desired channel.

Channel Add/Erase



1. Select the channel you want to add or delete, for example, Channel 28.
2. Press the **CH DOWN** button or **CH UP** button to select CH. Add/Erase.
3. Press **MENU** to enter the Channel Add/Erase submenu. Select from the following options.

Add Channel

1. Press the **CH DOWN** button or **CH UP** button to select Add.
2. Press **MENU** to add the selected channel.

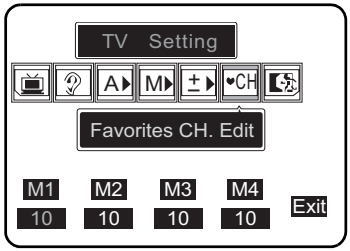
Erase Channel

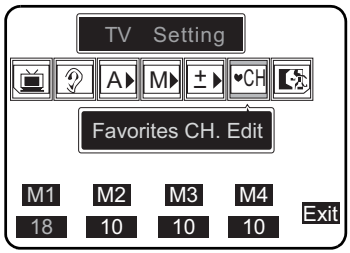
1. Press the **CH DOWN** button or **CH UP** button to select Erase.
2. Press **MENU** to selected channel. When you return to the normal TV screen and use the **CH DOWN** button and **CH UP** buttons to browse channels, the deleted channel (for example, Channel 28) will be skipped automatically

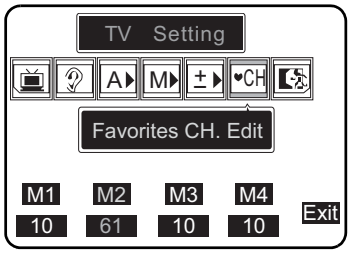
Note

You can still access the deleted channel by entering the channel number using the number buttons on the remote control. Add the channel again if it was erased accidentally.

Favorite Channels





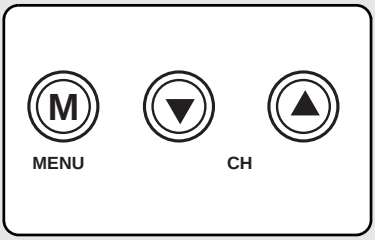


1. Press the **CH DOWN** button or **CH UP** button to select Favorites CH. Edit.
2. Press **MENU** to enter the Favorites CH. Edit submenu.
3. The screen displays the four favorite channels: M1, M2, M3, and M4.
4. Press the **CH DOWN** button and the **CH UP** button to select the channel number you want to set for M1. Press **MENU** to confirm the setting and move to the next favorite channel, M2.
5. Repeat step 4 for M2, M3, and M4.

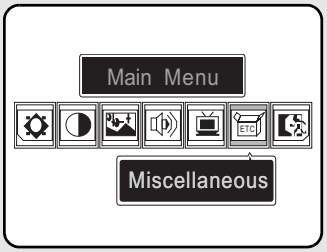
Note

Access your favorite channels in TV mode by pressing the CH DOWN and CH UP buttons to switch between M1, M2, M3, and M4. This function is only available on the TV source. TV.

Miscellaneous Setting



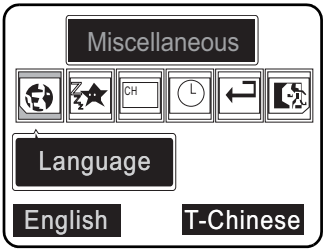
Press the **MENU** button to enter OSD Main Menu screen.

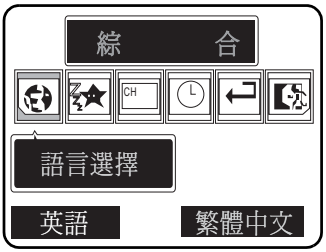


1. Press the **CH DOWN** button or **CH UP** button to select Miscellaneous Setting.

2. Press **MENU** to enter the Miscellaneous Setting menu.

Language





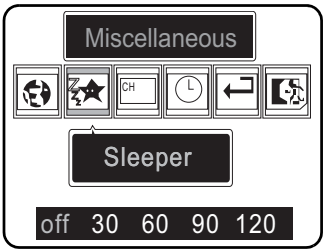
1. Press the **CH DOWN** button or **CH UP** button to select Language.
2. Press **MENU** to enter the Language submenu.
3. The screen displays the available OSD languages: English and T-Chinese (Traditional Chinese).
4. Press the **CH DOWN** button and the **CH UP** button to select a language. The OSD language changes as soon as you select a language.
5. Press **MENU** to confirm your choice.

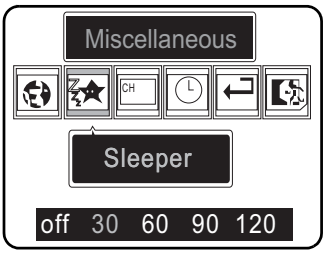
Note

The default language setting is Traditional Chinese.

Sleep Timer

The sleep timer turns the TV off automatically after a set period of time.

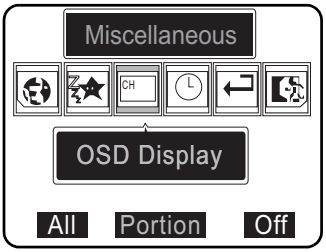




1. Press the **CH DOWN** button or **CH UP** button to select Sleeper.
2. Press **MENU** to enter the Sleeper submenu.
3. The screen displays the available sleep timer setting: Off, 30, 60, 90, and 120 minutes.
4. Press the **CH DOWN** button and the **CH UP** button to select a value.
5. Press **MENU** to confirm your choice.

OSD Display

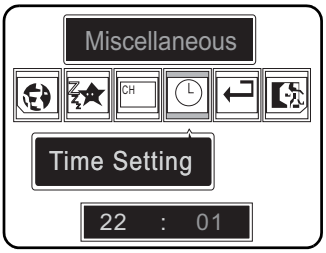
This setting allows you to set the amount of information that appears on the LCD screen when the **DISPLAY** button is pressed. You can choose from three settings: Off, Portion, or All.



1. Press the **CH DOWN** button or **CH UP** button to select OSD Display.
2. Press **MENU** to enter the OSD Display submenu.
3. The screen displays the available sleep timer settings: All, Portion, or Off.
4. Press the **CH DOWN** button and the **CH UP** button to select “All”, “Portion”, or “Off”.
5. Press **MENU** to confirm your choice.

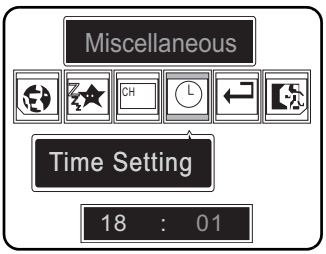
Time Setting

This section shows you how to change your TV's clock setting.



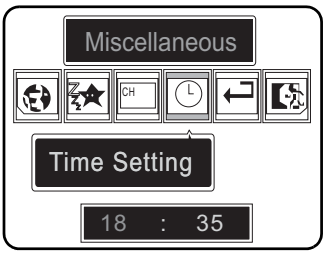
1. Press the **CH DOWN** button or **CH UP** button to select Time Setting.

2. Press **MENU** to enter the Time Setting submenu.



3. The screen displays the current setting. The hour is highlighted in yellow.

4. Press the **CH DOWN** button and the **CH UP** button to adjust the hour setting, then press **MENU**.



5. The minutes are highlighted in yellow. Press the **CH DOWN** button and the **CH UP** button to adjust the minute setting.

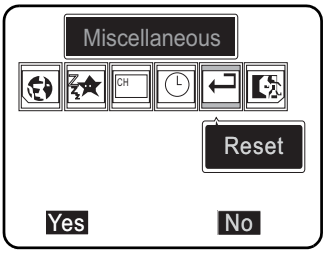
6. Press **MENU** to confirm the new time setting.

Reset

The Reset function returns all of your TV's user settings to their factory defaults.

Warning:

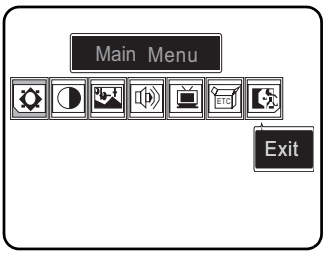
The reset function erases all of your custom and favorite channel settings, and will reset all display settings (such as contrast, brightness, etc.) to the factory default values. The reset function cannot be reversed once it begins.



1. Press the **CH DOWN** button or **CH UP** button to select Reset.
2. Press **MENU** to enter the Reset submenu.
3. Press the **CH DOWN** button and the **CH UP** button to select "Yes" or "No". By default, "No" is already selected (highlighted in yellow).
4. Press **MENU** to confirm your choice.

Exit

Exit turns off the OSD menus and returns you to TV mode.



1. Press the **CH DOWN** button or **CH UP** button to select Exit.
2. Press **MENU** to exit the OSD menus.

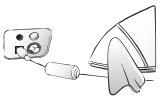
12

Taking Care of Your TV

Turn the power off before you begin cleaning the TV.

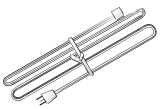
Use a clean lens cloth to remove dust and finger-prints from the screen.

Do not wipe the shell of the TV with alcohol, methanol, gasoline or oil products to avoid the damaging the finish. Wipe the shell with a dry soft cloth and use neutral cleaning fluids.



If your model has leather components, wipe the leather parts with a dry cloth and keep the area dry. Place the TV far from sources of steam to avoid making the leather wet.

Be careful to remove the power plug correctly. Hold the plug instead of pulling the power cord.



Arrange the power cord with other cords to avoid knotting or bending which may cause fire due to damage or electric leakage.

13 Troubleshooting

Situation	Solution
No picture and sound.	• Connect the power cord properly. • Press the **POWER** button on the control panel or remote control. • Press the **SOURCE** button to cycle through connected video sources. • Press **CH UP** or **CH DOWN** to switch to other TV stations. • Check the TV/CATV OSD settings. See “TV/CATV” on page 42. • Make sure all cables are connected properly.
No picture, or poor picture, sound is OK.	• Check the ANT and cable connections. • Adjust the brightness in the OSD menus. See “Brightness” on page 29.
Picture is not in color.	• Adjust the saturation in the OSD menus. See “Saturation” on page 33.
Picture is OK, no sound.	• Press the **VOL UP** button on the control panel or remote control. • Make sure the MTS option is set to Main or Dual. See “MTS” on page 43.
One of the speakers has no sound.	• Adjust the balance in the OSD menus. See “Balance” on page 39.
Can’t receive some TV channels using cable TV.	• Try the Auto Program function in the OSD “TV Setting” menu. See “Auto Program” on page 44.
Want to reset TV settings.	• Use the Reset function in the OSD “Miscellaneous” menu. See “Reset” on page 53.
Cannot operate menus.	• If OSD items are colored light blue, the system is in a state such that those settings are not available. For example, video setting is available in TV mode.
No image but have sound.	• Make sure the video signal cable is connected properly.

No sound but have image.	• Make sure the source device is functioning properly. • Set the volume to a higher level. • Make sure the audio cable is connected securely. • Turn the mute off.
Screen image turns over.	• Make sure the video signal cable is connected properly.
Snow appears on the screen.	• Adjust the location of the ANT, placing it far from roads or sources of interference. • Check the ANT and the video signal line connections.
Blurred or overlapped images.	• Readjust the sharpness setting. • Choose programs with high quality signals. • Adjust the direction of the ANT or change the video signal cable.

14 Specifications

Item	Specifications
	DT12-10A1
LCD Panel Size	9.6-inch TFT
Aspect Ratio	4:3
Best Resolution	800 (horizontal) x 600(vertical)
Maximum Display Area	194.4 mm (H) x 145.8 mm (W)
TV System	NTSC
Video System	AV1: CVBS RCA jack AV2: S-Video or CVBS: 10-pin mini-DIN
Audio System	(Input) AV1: RCA left & right jacks (Input) AV2: RCA left & right jack on 10-pin mini-DIN (Output) 3.5mm ø headphone jack
Built-in Speakers	3W + 3W
Power Supply	100~240 V，AC, 50/60 Hz adapter, 12V DC
Power Consumption	40W (Average).
Power Consumption (Standby)	5W max. (at 110Vac/60Hz)
Optional Accessories	External Speakers
Weight (including base)	3.12 kg
Dimensions (including base)	339mm (H) x 477 mm (W) x 112.6 mm (D)

15 Glossary

Aspect Ratio The ratio of width to height of a film, image or display screen.

Broadcast TV Broadcasting video signals using high-frequency electromagnetic waves to distribute television channels to viewers (standard TV broadcast).

CATV Community Antenna Television, the original name for cable TV. A television distribution system that uses coaxial cable instead of the traditional radio broadcasting (over-the-air) method to deliver television, FM radio, and other services to consumers.

Color Temperature Adjusting the color temperature enables you to set the intensity of white light. Color temperature is measured in Kelvin (K). Higher color temperatures result in a blue tint. Lower temperatures result in a red tint.

Hue Colors in a color system are measured by hue, saturation and luminance. Hue indicates the predominant color.

LCD Liquid Crystal Display. A display technology that uses rod-shaped molecules (liquid crystals) that flow like liquid and bend light.

MTS Multi-channel Television Sound. Enables reception of audio other than the primary (MAIN) audio signal. DUAL enables reception of a stereo audio signal, while SAP (Second Audio Program) enables reception of a separate channel that may be a different language or completely different information such as the news.

RCA connector An RCA or phono connector is a plug and socket for a two-wire (signal and ground) coaxial cable that is widely used to connect audio and video components. RCA sockets are commonly found at the rear of A/V equipment.

RCA jack An RCA jack enables you to attach the 4-IN-1 cable to a device socket. Refer to “Checking Package Contents” on page 17.

SAP Used with SAP and NTSC, enables broadcast of the main broadcast signal on one speaker, and the alternate audio speaker on the other speaker.

Saturation Chromatic purity indicating the amount of white contained in a color. Fully saturated colors are pure colors; less saturated colors appear as pastel shades.

S-Video Super-video, a video cabling standard used to transmit video by keeping brightness (Y) and color information (C) on separate channels. Most often used with camcorders, VCRs, and quality receivers and amplifiers to provide sharper pictures.

VCD A compact disk format developed in 1993 by Sony and Philips to capture full-motion video. A standard Video CD can hold 74 minutes of near VHS-quality video and CD-quality sound.